



IFWO

RAW SEQUENCE LISTING

DATE: 08/04/2004

PATENT APPLICATION: US/10/825,127

TIME: 08:30:13

Input Set : N:\Crf3\RULE60\10825127.raw

Output Set: N:\CRF4\08042004\J825127.raw

1 <110> APPLICANT: FUKUCHI, Naoyuki
 2 FUTAKI, Fumie
 3 KITO, Morikazu
 4 SATO, Seiichi
 5 KAJIURA, Takayuki
 6 ONO, Yukitsugu
 7 TANAKA,, Akiko
 8 SHINOZAKI, Junko
 9 <120> TITLE OF INVENTION: Substance with Antithrombic Activity and Method for
 10 Detecting
 11 Glycocalicin
 12 <130> FILE REFERENCE: 198804US0PCT
 13 <140> CURRENT APPLICATION NUMBER: US/10/825,127
 14 <141> CURRENT FILING DATE: 2004-04-16
 15 <150> PRIOR APPLICATION NUMBER: US/09/673,245
 16 <151> PRIOR FILING DATE: 2000-10-23
 17 <150> PRIOR APPLICATION NUMBER: PCT/JP99/00089
 18 <151> PRIOR FILING DATE: 1998-01-13
 19 <150> PRIOR APPLICATION NUMBER: JP 10-113962
 20 <151> PRIOR FILING DATE: 1998-04-23
 21 <160> NUMBER OF SEQ ID NOS: 14
 22 <170> SOFTWARE: PatentIn version 3.1
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 25 <211> LENGTH: 29
 26 <212> TYPE: DNA
 27 <213> ORGANISM: ARTIFICIAL SEQUENCE
 28 <220> FEATURE:
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 33 <210> SEQ ID NO: 2
 34 <211> LENGTH: 36
 35 <212> TYPE: DNA
 36 <213> ORGANISM: ARTIFICIAL SEQUENCE
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: SYNTHETIC DNA
 39 <400> SEQUENCE: 2
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 42 <210> SEQ ID NO: 3
 43 <211> LENGTH: 36
 44 <212> TYPE: DNA
 45 <213> ORGANISM: ARTIFICIAL SEQUENCE
 46 <220> FEATURE:

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53 <212> TYPE: DNA
54 <213> ORGANISM: Mus musculus
55 <220> FEATURE:
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57 <222> LOCATION: (1)..(684)
58 <223> OTHER INFORMATION:
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62      1          5          10          15
63      gta tca tct gtc ttc atc ttc ccc cca aag ccc aag gat gtg ctc acc      96
64      Val Ser Ser Val Phe Ile Phe Pro Pro Lys Pro Lys Asp Val Leu Thr
65      20          25          30
66      att act ctg act cct aag gtc acg tgt gtt gtg gta gac atc agc aag      144
67      Ile Thr Leu Thr Pro Lys Val Thr Cys Val Val Val Asp Ile Ser Lys
68      35          40          45
69      gat gat ccc gag gtc cag ttc agc tgg ttt gta gat gat gtg gag gtg      192
70      Asp Asp Pro Glu Val Gln Phe Ser Trp Phe Val Asp Asp Val Glu Val
71      50          55          60
72      cac aca gct cag acg caa ccc cgg gag gag cag ttc aac agc act ttc      240
73      His Thr Ala Gln Thr Gln Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe
74      65          70          75          80
75      cgc tca gtc agt gaa ctt ccc atc atg cac cag gac tgg ctc aat ggc      288
76      Arg Ser Val Ser Glu Leu Pro Ile Met His Gln Asp Trp Leu Asn Gly
77      85          90          95
78      aag gag ttc aaa tgc agg gta aac agt gca gct ttc cct gcc ccc atc      336
79      Lys Glu Phe Lys Cys Arg Val Asn Ser Ala Ala Phe Pro Ala Pro Ile
80      100          105          110
81      gag aaa acc atc tcc aaa acc aaa ggc aga ccg aag gct cca cag gtg      384
82      Glu Lys Thr Ile Ser Lys Thr Lys Gly Arg Pro Lys Ala Pro Gln Val
83      115          120          125
84      tac acc att cca cct ccc aag gag cag atg gcc aag gat aaa gtc agt      432
85      Tyr Thr Ile Pro Pro Pro Lys Glu Gln Met Ala Lys Asp Lys Val Ser
86      130          135          140
87      ctg acc tgc atg ata aca gac ttc ttc cct gaa gac att act gtg gag      480
88      Leu Thr Cys Met Ile Thr Asp Phe Phe Pro Glu Asp Ile Thr Val Glu
89      145          150          155          160
90      tgg cag tgg aat ggg cag cca gcg gag aac tac aag aac act cag ccc      528
91      Trp Gln Trp Asn Gly Gln Pro Ala Glu Asn Tyr Lys Asn Thr Gln Pro
92      165          170          175
93      atc atg gac aca gat ggc tct tac ttc gtc tac agc aag ctc aat gtg      576
94      Ile Met Asp Thr Asp Gly Ser Tyr Phe Val Tyr Ser Lys Leu Asn Val
95      180          185          190
96      cag aag agc aac tgg gag gca gga aat act ttc acc tgc tct gtg tta      624

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97      Gln Lys Ser Asn Trp Glu Ala Gly Asn Thr Phe Thr Cys Ser Val Leu
98          195                200                205
99      cat gag ggc ctg cac aac cac cat act gag aag agc ctc tcc cac tct      672
100      His Glu Gly Leu His Asn His His Thr Glu Lys Ser Leu Ser His Ser
101          210                215                220
102      cct ggt aaa tga      684
103      Pro Gly Lys
104      225
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108 <212> TYPE: PRT
109 <213> ORGANISM: Mus musculus
110 <400> SEQUENCE: 5
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112      1          5          10          15
113      Val Ser Ser Val Phe Ile Phe Pro Pro Lys Pro Lys Asp Val Leu Thr
114          20          25          30
115      Ile Thr Leu Thr Pro Lys Val Thr Cys Val Val Val Asp Ile Ser Lys
116          35          40          45
117      Asp Asp Pro Glu Val Gln Phe Ser Trp Phe Val Asp Asp Val Glu Val
118          50          55          60
119      His Thr Ala Gln Thr Gln Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe
120          65          70          75          80
121      Arg Ser Val Ser Glu Leu Pro Ile Met His Gln Asp Trp Leu Asn Gly
122          85          90          95
123      Lys Glu Phe Lys Cys Arg Val Asn Ser Ala Ala Phe Pro Ala Pro Ile
124          100         105         110
125      Glu Lys Thr Ile Ser Lys Thr Lys Gly Arg Pro Lys Ala Pro Gln Val
126          115         120         125
127      Tyr Thr Ile Pro Pro Pro Lys Glu Gln Met Ala Lys Asp Lys Val Ser
128          130         135         140
129      Leu Thr Cys Met Ile Thr Asp Phe Phe Pro Glu Asp Ile Thr Val Glu
130          145         150         155         160
131      Trp Gln Trp Asn Gly Gln Pro Ala Glu Asn Tyr Lys Asn Thr Gln Pro
132          165         170         175
133      Ile Met Asp Thr Asp Gly Ser Tyr Phe Val Tyr Ser Lys Leu Asn Val
134          180         185         190
135      Gln Lys Ser Asn Trp Glu Ala Gly Asn Thr Phe Thr Cys Ser Val Leu
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137      His Glu Gly Leu His Asn His His Thr Glu Lys Ser Leu Ser His Ser
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139      Pro Gly Lys
140      225
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143 <211> LENGTH: 1689
144 <212> TYPE: DNA
145 <213> ORGANISM: ARTIFICIAL SEQUENCE
146 <220> FEATURE:
147 <223> OTHER INFORMATION: SYNTHETIC DNA

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W--> 148 <221> NAME/KEY: CDS

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150 <223> OTHER INFORMATION:

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153 <223> OTHER INFORMATION:

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156 <223> OTHER INFORMATION:

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159	Met Pro Leu Leu Leu Leu Leu Leu Leu Leu Leu Pro Ser Pro Leu His Pro	
160	-15 -10 -5 -1	
161	cac ccc atc tgt gag gtc tcc aaa gtg gcc agc cac cta gaa gtg aac	96
162	His Pro Ile Cys Glu Val Ser Lys Val Ala Ser His Leu Glu Val Asn	
163	1 5 10 15	
164	tgt gac aag agg aat ctg aca gcg ctg cct cca gac ctg ccg aaa gac	144
165	Cys Asp Lys Arg Asn Leu Thr Ala Leu Pro Pro Asp Leu Pro Lys Asp	
166	20 25 30	
167	aca acc atc ctc cac ctg agt gag aac ctc ctg tac acc ttc tcc ctg	192
168	Thr Thr Ile Leu His Leu Ser Glu Asn Leu Leu Tyr Thr Phe Ser Leu	
169	35 40 45	
170	gca acc ctg atg cct tac act cgc ctc act cag ctg aac cta gat agg	240
171	Ala Thr Leu Met Pro Tyr Thr Arg Leu Thr Gln Leu Asn Leu Asp Arg	
172	50 55 60	
173	tgc gag ctc acc aag ctc cag gtc gat ggg acg ctg cca gtg ctg ggg	288
174	Cys Glu Leu Thr Lys Leu Gln Val Asp Gly Thr Leu Pro Val Leu Gly	
175	65 70 75 80	
176	acc ctg gat cta tcc cac aat cag ctg caa agc ctg ccc ttg cta ggg	336
177	Thr Leu Asp Leu Ser His Asn Gln Leu Gln Ser Leu Pro Leu Leu Gly	
178	85 90 95	
179	cag aca ctg cct gct ctc acc gtc ctg gac gtc tcc ttc aac cgg ctg	384
180	Gln Thr Leu Pro Ala Leu Thr Val Leu Asp Val Ser Phe Asn Arg Leu	
181	100 105 110	
182	acc tcg ctg cct ctt ggt gcc ctg cgt ggt ctt ggc gaa ctc caa gag	432
183	Thr Ser Leu Pro Leu Gly Ala Leu Arg Gly Leu Gly Glu Leu Gln Glu	
184	115 120 125	
185	ctc tac ctg aaa ggc aat gag ctg aag acc ctg ccc cca ggg ctc ctg	480
186	Leu Tyr Leu Lys Gly Asn Glu Leu Lys Thr Leu Pro Gly Leu Leu	
187	130 135 140	
188	acg ccc aca ccc aag ctg gag aag ctc agt ctg gct aac aac aac ttg	528
189	Thr Pro Thr Pro Lys Leu Glu Lys Leu Ser Leu Ala Asn Asn Asn Leu	
190	145 150 155 160	
191	act gag ctc ccc gct ggg ctc ctg aat ggg ctg gag aat ctc gac acc	576
192	Thr Glu Leu Pro Ala Gly Leu Leu Asn Gly Leu Glu Asn Leu Asp Thr	
193	165 170 175	
194	ctt ctc ctc caa gag aac tcg ctg tat aca ata cca aag ggc ttt ttt	624
195	Leu Leu Leu Gln Glu Asn Ser Leu Tyr Thr Ile Pro Lys Gly Phe Phe	
196	180 185 190	

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197	ggg tcc cac ctc ctg cct ttt gct ttt ctc cac ggg aac ccc tgg tta	672
198	Gly Ser His Leu Leu Pro Phe Ala Phe Leu His Gly Asn Pro Trp Leu	
199	195 200 205	
200	tgc aac tgt gag atc ctc tat ttt cgt cgc tgg ctg cag gac aat gct	720
201	Cys Asn Cys Glu Ile Leu Tyr Phe Arg Arg Trp Leu Gln Asp Asn Ala	
202	210 215 220	
203	gaa aat gtc tac gta tgg aag caa ggt gtg gac gtc aag gcc atg acc	768
204	Glu Asn Val Tyr Val Trp Lys Gln Gly Val Asp Val Lys Ala Met Thr	
205	225 230 235 240	
206	tct aac gtg gcc agt gtg cag tgt gac aat tca gac aag ttt ccc gtc	816
207	Ser Asn Val Ala Ser Val Gln Cys Asp Asn Ser Asp Lys Phe Pro Val	
208	245 250 255	
209	tac aaa tac cca gga aag ggg tgc ccc acc ctt ggt gat gaa ggt gac	864
210	Tyr Lys Tyr Pro Gly Lys Gly Cys Pro Thr Leu Gly Asp Glu Gly Asp	
211	260 265 270	
212	aca gac cta tat gat tac tac cca gaa gag gac act gag ggc gat aag	912
213	Thr Asp Leu Tyr Asp Tyr Tyr Pro Glu Glu Asp Thr Glu Gly Asp Lys	
214	275 280 285	
215	gtg cgt gcc aca agg act gtg gtc aag ttc ccc acc aaa gcc cat aca	960
216	Val Arg Ala Thr Arg Thr Val Val Lys Phe Pro Thr Lys Ala His Thr	
217	290 295 300	
218	acc ccc tgg ggt cta ttc tac tca tgg tcc act gct tct cta gac gtg	1008
219	Thr Pro Trp Gly Leu Phe Tyr Ser Trp Ser Thr Ala Ser Leu Asp Val	
220	305 310 315 320	
221	ccc agg gat tgt ggt tgt aag cct tgc ata tgt aca gtc cca gaa gta	1056
222	Pro Arg Asp Cys Gly Cys Lys Pro Cys Ile Cys Thr Val Pro Glu Val	
223	325 330 335	
224	tca tct gtc ttc atc ttc ccc cca aag ccc aag gat gtg ctc acc att	1104
225	Ser Ser Val Phe Ile Phe Pro Pro Lys Pro Lys Asp Val Leu Thr Ile	
226	340 345 350	
227	act ctg act cct aag gtc acg tgt gtt gtg gta gac atc agc aag gat	1152
228	Thr Leu Thr Pro Lys Val Thr Cys Val Val Val Asp Ile Ser Lys Asp	
229	355 360 365	
230	gat ccc gag gtc cag ttc agc tgg ttt gta gat gat gtg gag gtg cac	1200
231	Asp Pro Glu Val Gln Phe Ser Trp Phe Val Asp Asp Val Glu Val His	
232	370 375 380	
233	aca gct cag acg caa ccc cgg gag gag cag ttc aac agc act ttc cgc	1248
234	Thr Ala Gln Thr Gln Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg	
235	385 390 395 400	
236	tca gtc agt gaa ctt ccc atc atg cac cag gac tgg ctc aat ggc aag	1296
237	Ser Val Ser Glu Leu Pro Ile Met His Gln Asp Trp Leu Asn Gly Lys	
238	405 410 415	
239	gag ttc aaa tgc agg gta aac agt gca gct ttc cct gcc ccc atc gag	1344
240	Glu Phe Lys Cys Arg Val Asn Ser Ala Ala Phe Pro Ala Pro Ile Glu	
241	420 425 430	
242	aaa acc atc tcc aaa acc aaa ggc aga ccg aag gct cca cag gtg tac	1392
243	Lys Thr Ile Ser Lys Thr Lys Gly Arg Pro Lys Ala Pro Gln Val Tyr	
244	435 440 445	
245	acc att cca cct ccc aag gag cag atg gcc aag gat aaa gtc agt ctg	1440

VERIFICATION SUMMARY

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